

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-45. (**Cancelled**)

46. (**New**) A method for determining if an animal has been exposed to a hemolysin-producing fungus of interest and identifying the source of the hemolysin comprising:

- (a) obtaining a sample from the animal;
- (b) contacting the sample with labeled antibodies which bind to the hemolysin produced by the fungus of interest or to active fragments of the hemolysin; said antibodies being specific for the hemolysin-producing fungus of interest; and
- (c) detecting any complex formed between the labeled antibodies and the hemolysin or active fragments thereof wherein the presence of any complex indicates the presence of the hemolysin;
- (d) wherein the presence of hemolysin in the sample indicates that the animal has been exposed to the hemolysin-producing fungus.

47. (**New**) The method according to claim 46, wherein the sample from the animal is selected from the group consisting of blood, urine and saliva.

48. **(New)** The method according to claim 46, wherein the label is selected from the group consisting of enzyme, radioactive, chemiluninescent and fluorescent labels.

49. **(New)** The method according to claim 46, wherein the fungus is selected from the group consisting of *Stachybotrys chartarum*, *Aspergillus fumigatus*, *Candida albicans*, and *Penicillium chrysogenum*.

50. **(New)** A method for determining if a sample contains a hemolysin-producing fungus comprising:

(a) culturing the sample, whereby if there is a hemolysin-producing fungus in the sample; the fungus produces hemolysin;

(b) contacting the sample with antibodies to the fungal hemolysin or to active fragments of the fungal hemolysin; and

(c) detecting any complex formed between the labeled antibodies and the fungal hemolysin or active fragments thereof, whereby the formation of a complex indicates the presence of a hemolysin-producing fungus in the sample.

51. **(New)** The method according to claim 51, wherein the sample is from an animal and the sample is selected from the group consisting of blood, urine and saliva.

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52. **(New)** The method according to claim 51, wherein the label is selected from the group consisting of enzyme, radioactive, chemiluninescent and fluorescent labels.

53. **(New)** The method according to claim 51, wherein the fungus is selected from the group consisting of *Stachybotrys chartarum*, *Aspergillus fumigatus*, *Candida albicans*, and *Penicillium chrysogenum*.